

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: August 27, 2001, 15:40:57 ; Search time 193.18 Seconds
(without alignments)
1472.406 Million cell updates/sec

Title: US-09-784-340-3_COPY_18322_18774

Perfect score: 453

Sequence: 1 gtaagtaactactgtctgtac.....tggtgttttccctccag 453

Scoring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 730101 seqs, 313950809 residues

Total number of hits satisfying chosen parameters: 1460202

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

N.Geneseq_0601.*
1: /SIDSI/gcgdata/geneseq/geneseq/NA1980.DAT.*
2: /SIDSI/gcgdata/geneseq/geneseq/NA1981.DAT.*
3: /SIDSI/gcgdata/geneseq/geneseq/NA1982.DAT.*
4: /SIDSI/gcgdata/geneseq/geneseq/NA1983.DAT.*
5: /SIDSI/gcgdata/geneseq/geneseq/NA1984.DAT.*
6: /SIDSI/gcgdata/geneseq/geneseq/NA1985.DAT.*
7: /SIDSI/gcgdata/geneseq/geneseq/NA1986.DAT.*
8: /SIDSI/gcgdata/geneseq/geneseq/NA1987.DAT.*
9: /SIDSI/gcgdata/geneseq/geneseq/NA1988.DAT.*
10: /SIDSI/gcgdata/geneseq/geneseq/NA1989.DAT.*
11: /SIDSI/gcgdata/geneseq/geneseq/NA1990.DAT.*
12: /SIDSI/gcgdata/geneseq/geneseq/NA1991.DAT.*
13: /SIDSI/gcgdata/geneseq/geneseq/NA1992.DAT.*
14: /SIDSI/gcgdata/geneseq/geneseq/NA1993.DAT.*
15: /SIDSI/gcgdata/geneseq/geneseq/NA1994.DAT.*
16: /SIDSI/gcgdata/geneseq/geneseq/NA1995.DAT.*
17: /SIDSI/gcgdata/geneseq/geneseq/NA1996.DAT.*
18: /SIDSI/gcgdata/geneseq/geneseq/NA1997.DAT.*
19: /SIDSI/gcgdata/geneseq/geneseq/NA1998.DAT.*
20: /SIDSI/gcgdata/geneseq/geneseq/NA1999.DAT.*
21: /SIDSI/gcgdata/geneseq/geneseq/NA2000.DAT.*
22: /SIDSI/gcgdata/geneseq/geneseq/NA2001.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	105.6	23.3	936	22	AAF58252
c 2	105.6	23.3	936	22	AAF58254
c 3	105.6	23.3	936	22	AAF58257
c 4	105.6	23.3	936	22	AAF58259
c 5	105.6	23.3	936	22	AAF58262
c 6	105.6	23.3	938	22	AAF58255
c 7	104	23.0	936	22	AAF58252
c 8	104	23.0	936	22	AAF58254
c 9	104	23.0	936	22	AAF58257
c 10	104	23.0	936	22	AAF58259
c 11	104	23.0	936	22	AAF58262

12	104	23.0	938	22	AAF58255
c 13	57.2	12.6	244	22	AAF58238
c 14	53.2	11.7	244	22	AAF58238
c 15	43.2	9.5	611590	21	AAF22303
c 16	38	8.4	400	18	AAV75016
c 17	38	8.4	14051	18	AAV74414
c 18	37.8	8.3	611590	21	AAF22303
c 19	37.6	8.3	1378	21	AAFS9645
c 20	37.6	8.3	1664976	19	AAV21209
c 21	37.2	8.2	926	21	AA594489
c 22	37.2	8.2	19124	18	AAV72882
c 23	37.2	8.2	19124	21	AA598287
c 24	37	8.2	1267	21	AA217188
c 25	36.2	8.0	378	21	AAFC9951
c 26	36.2	8.0	1422	19	AAV60073
c 27	36.2	8.0	3129	20	AAV20285
c 28	36	7.9	5454	21	AAV0189
c 29	36	7.9	9542	20	AAV20260
c 30	36	7.9	163319	21	AAV22306
c 31	35.8	7.9	1380	21	AAV70124
c 32	35.8	7.9	2100	21	AAFC59255
c 33	35.8	7.9	5058	20	AAV91106
c 34	35.6	7.9	4968	21	AAZ55636
c 35	35.4	7.8	1758	20	AA227611
c 36	35.4	7.8	1877	19	AAV46370
c 37	35.4	7.8	910715	20	AAV20248
c 38	35.2	7.8	510	19	AAV28775
c 39	35.2	7.8	884	19	AAV41368
c 40	34.8	7.7	887	21	AAFC59382
c 41	34.8	7.7	116277	20	AAV20249
c 42	34.6	7.6	1940	20	AAZ00850
c 43	34.6	7.6	1903	20	AAZ00830
c 44	34.4	7.6	3165	20	AAV99602
c 45	34.4	7.6	580073	18	AAV58840

ALIGNMENTS

RESULT 1
AAF58252/c
ID AAF58252 standard; DNA; 936 BP.
XX
AC AAF58252:
XX
DT 24-APR-2001 (first entry)
XX
DE Oligonucleotide D1835.
XX
KW Electron-transfer group; ETW; mismatch; genot./ping;
KW gene expression; ss.
XX
OS Synthetic.
XX
PN WO200107665-A2.
XX
PD 01-FEB-2001.
XX
PF 26-JUL-2000; 2000WO-US20476.
XX
PR 26-JUL-1999; 99US-0145695.
PR 17-MAR-2000; 2000US-0190259.
XX
PA (CLIN-) CLINICAL MICRO SENSORS INC.
XX
Unk RM;
WPI; 2001-159728/16.
XX
Nucleic acids containing electron-transfer group, useful as labels in hybridization assays, e.g. for genotyping, allowing repeat analyses on a single surface

Oligonucleotide D1
Oligonucleotide D1
Oligonucleotide D1
Arabidopsis thalia
Staphylococcus aur
Staphylococcus aur
Arabidopsis thalia
Human secreted pro
Methanococcus jan
DNA encoding Smad3
Plasmodium var-7 g
Plasmodium var-7 p
Human gene express
Human secreted pro
Immunoreactive lam
Borrelia burgdorfe
Plasmodium falcipa
Borrelia burgdorfe
Arabidopsis thalia
Plasmodium falcipa
Human secreted pro
Group B Streptococ
Heliothis armigera
Mouse CXCR4 coding
Nucleic acid encod
Borrelia burgdorfe
Human interleukin-
H. pylori GPO 512
Human secreted pro
Borrelia burgdorfe
Human secreted pro
Human secreted pro
Nucleic acid seque
Mycoplasma genital

QY 122 tcacacctgttactggaatagttgtggaattgttagttacatagagtgcaacttct 181
Db 519 ww 460
QY 182 tcatggaataatagtttaagtaacaactgcttactaagctttatcacatcttaa 241
Db 459 ww 400
QY 242 tttaaccacattgttaagaatactcttctagctctccactatcttglttaac 301
Db 399 wwwtttagcwww 340
QY 302 tatgtacaacaatattcatgtcacacagaatcaatcttactggaacatgtctctg 361
Db 339 ww 280
QY 362 gcttgataacataactacgtttatctactgctgtcttatagaacaaactaact 421
Db 279 ww 220
QY 422 ttctaagttctatgtgtgttttc 445
Db 219 ww 196

RESULT 7
AAF58252
ID AAF58252 standard; DNA; 936 BP.
XX
AC AAF58252;
XX
DT 24-APR-2001 (first entry)
XX
DE Oligonucleotide D1835.
XX
KW Electron-transfer group; ETM; mismatch; genotyping;
KM gene expression; ss.
XX
OS Synthetic.
XX
PN WO200107665-A2.
XX
PD 01-FEB-2001.
XX
PE 26-JUL-2000; 2000MO-US20476.
XX
PF 26-JUL-1999; 99US-0145695.
PR 17-MAR-2000; 2000US-0190259.
XX
PA (CLIN-) CLINICAL MICRO SENSORS INC.
XX
PI umek RM;
XX
DR WPI; 2001-159728/16.
XX
PT Nucleic acids containing electron-transfer group, useful as labels in
PT hybridization assays, e.g. for genotyping, allowing repeat analyses on
XX a single surface
XX
PS Example 6; Page 127; 159pp; English.
XX
CC The present invention relates to a composition comprising two nucleic
CC acids each containing an electron-transfer group (ETM) having
CC different redox potentials. The invention is used for electronic
CC detection of nucleic acids, especially of substitutions (mismatches)
CC and single-nucleotide polymorphisms, e.g. for genotyping,
XX monitoring gene expression.
SQ Sequence 936 BP; 4 A; 139 C; 10 G; 7 T; 776 other;

Query Match 23.0%; Score 104; DB 22; Length 936;

Best Local Similarity 1.18; Pred. No. 1.2e-15;
Matches 5; Conservative 302; Mismatches 137; Indels 0; Gaps 0;
QY 2 taagtactactgcttgacagactgataactatgctctgttatcatatcacgaa 61
Db 247 ww 306
QY 62 aatgtataatcatcctgttagacatgttgaggatttactccacaatatagtcac 121
Db 307 ww 366
QY 122 tcacacctgttactggaatagttgtggaattgttagttacatagagtgcaacttct 181
Db 367 ww 426
QY 182 tcatggaataatagtttaagtaacaactgcttactaagctttatcacatcttaa 241
Db 427 ww 486
QY 242 tttaaccacattgttaagaatactcttctagctctccactatcttglttaac 301
Db 487 ww 546
QY 302 tatgtacaacaatattcatgtcacacagaatcaatcttactggaacatgtctctg 361
Db 547 ww 606
QY 362 gcttgataacataactacgtttatctactgctgtcttatagaacaaactaact 421
Db 607 ww 666
QY 422 ttctaagttctatgtgtgttttc 445
Db 667 ww 690

RESULT 8
AAF58254
ID AAF58254 standard; DNA; 936 BP.
XX
AC AAF58254;
XX
DT 24-APR-2001 (first entry)
XX
DE Oligonucleotide D1875.
XX
KW Electron-transfer group; ETM; mismatch; genotyping;
KM gene expression; ss.
XX
OS Synthetic.
XX
PN WO200107665-A2.
XX
PD 01-FEB-2001.
XX
PE 26-JUL-2000; 2000MO-US20476.
XX
PF 26-JUL-1999; 99US-0145695.
PR 17-MAR-2000; 2000US-0190259.
XX
PA (CLIN-) CLINICAL MICRO SENSORS INC.
XX
PI umek RM;
XX
DR WPI; 2001-159728/16.
XX
PT Nucleic acids containing electron-transfer group, useful as labels in
PT hybridization assays, e.g. for genotyping, allowing repeat analyses on
XX a single surface
XX
PS Example 6; Page 127; 159pp; English.
XX
CC The present invention relates to a composition comprising two nucleic

CC acids each containing an electron-transfer group (ETM) having
CC different redox potentials. The invention is used for electronic
CC detection of nucleic acids, especially of substitutions (mismatches)
CC and single-nucleotide polymorphisms, e.g. for genotyping,
CC monitoring gene expression.

XX Sequence 936 BP; 4 A; 144 C; 7 G; 5 T; 776 other;

Query Match 23.0%; Score 104; DB 22; Length 936;

Best Local Similarity 1.18; Pred. No. 1.2e-15; Matches 5; Conservative 302; Mismatches 137; Indels 0; Gaps 0;

QY 2 taagtactcgtgtacagactgatacaactgtactatgtatataccagaa 61
DB 247 www.
QY 62 aatgttaaatatccctgtgagacatgttgaggatttactccacaatattgagtc 121
DB 307 www.
QY 122 tcatcaccctgttactcggatgttggaattgtatgatacagatgttcaactttct 181
DB 367 www.
QY 182 tcatggaatatattagtttaagttaacaactcgtactaagctttatcatcttaa 241
DB 427 www.
QY 242 ttctaccatttgttaagaatactcttcaagtcctccactatctgtttaaac 301
DB 487 www.
QY 302 tatgttaacaacatatattcatgtcaacacgaatcaacttttactgaacatgttctg 361
DB 547 www.
QY 362 gcttgataacatactacaggtttatactacgttctttatgaacaaacatacaact 421
DB 607 www.
QY 422 ttctaaagttctatgtgtttttc 445
DB 667 www.

RESULT 9

AAF58257 standard; DNA; 936 BP.

XX AAF58257;

XX 24-APR-2001 (first entry)

DE Oligonucleotide D1954.

XX Electron-transfer group; ETM; mismatch; genotyping;

KW gene expression; ss.

XX Synthetic.

XX WO200107665-A2.

XX 01-FEB-2001.

XX 26-JUL-2000; 2000WO-US20476.

XX 26-JUL-1999; 99US-0145695.

XX 17-MAR-2000; 2000US-0180259.

XX (CLIN-) CLINICAL MICRO SENSORS INC.

XX PA
XX XX
XX PI

Umek RM;

XX
DR WPI; 2001-159728/16.

XX Nucleic acids containing electron-transfer group, useful as labels in
PT hybridization assays, e.g. for genotyping, allowing repeat analyses on
PT a single surface

XX Example 6; Page 127; 159pp; English.

CC The present invention relates to a composition comprising two nucleic
CC acids each containing an electron-transfer group (ETM) having
CC different redox potentials. The invention is used for electronic
CC detection of nucleic acids, especially of substitutions (mismatches)
CC and single-nucleotide polymorphisms, e.g. for genotyping,
CC monitoring gene expression.

XX Sequence 936 BP; 5 A; 142 C; 7 G; 6 T; 776 other;

Query Match 23.0%; Score 104; DB 22; Length 936;

Best Local Similarity 1.18; Pred. No. 1.2e-15; Matches 5; Conservative 302; Mismatches 137; Indels 0; Gaps 0;

QY 2 taagtactcgtgtacagactgatacaactgtactatgttataccagaa 61
DB 247 www.
QY 62 aatgttaaatatccctgtgagacatgttgaggatttctccacaatattgagtc 121
DB 307 www.
QY 122 tcatcaccctgttactcggatgttggaattgtatgatacagatgttcaactttct 181
DB 367 www.
QY 182 tcatggaatatattagtttaagttaacaactcgtactaagctttatcatcttaa 241
DB 427 www.
QY 242 ttctaccatttgttaagaatactcttcaagtcctccactatctgtttaaac 301
DB 487 www.
QY 302 tatgttaacaacatatattcatgtcaacacgaatcaacttttactgaacatgttctg 361
DB 547 www.
QY 362 gcttgataacatactacaggtttatactacgttctttatgaacaaacatacaact 421
DB 607 www.
QY 422 ttctaaagttctatgtgtttttc 445
DB 667 www.

RESULT 10

AAF58259 standard; DNA; 936 BP.

XX AAF58259;

XX 24-APR-2001 (first entry)

DE Oligonucleotide D2004.

XX Electron-transfer group; ETM; mismatch; genotyping;

KW gene expression; ss.

XX Synthetic.

XX WO200107665-A2.

XX PA
XX XX
XX PN

PD	01-FEB-2001.
XX	
PF	26-JUL-2000; 2000MO-US20476.
XX	
XX	26-JUL-1999; 99US-0145695.
PR	17-MAR-2000; 2000US-0190259.
XX	
PA	(CLIN-) CLINICAL MICRO SENSORS INC.
XX	
PI	Umea RM;
XX	
DR	WPI; 2001-159728/16.
XX	
PT	Nucleic acids containing electron-transfer group, useful as labels in
XX	hybridization assays, e.g. for genotyping, allowing repeat analyses on
XX	a single surface
XX	
PS	Example 6; Page 128; 159pp; English.
XX	
CC	The present invention relates to a composition comprising two nucleic
CC	acids each containing an electron-transfer group (ETM) having
CC	different redox potentials. The invention is used for electronic
CC	detection of nucleic acids, especially of substitutions (mismatches)
CC	and single-nucleotide polymorphisms, e.g. for genotyping,
CC	monitoring gene expression.
XX	
SO	Sequence 936 BP; 6 A; 138 C; 8 G; 8 T; 776 other;

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